

## AUTHOR INDEX

- Ahmed, R.  
— and Stoeppler, M.  
Storage and stability of mercury and methylmercury in sea water 109
- Allen, E.  
— and Jackson, K. W.  
Fast-response system for signal acquisition and processing in electrothermal atomic absorption spectrometry 355
- Arnold, M. A., see Bunker III, O. W., 315
- Askeland, R. A.  
— and Skogerboe, R. K.  
Selective determination of iron by fluorescence quenching of a naturally occurring pigment 133
- Ballantyne, E. K., see Majeed, A. 125
- Baweja, R.  
Application of reversed-phase high-performance liquid chromatography for the separation of deuterium and hydrogen analogs of aromatic hydrocarbons 345
- Bonakdar, M., see Wang, J. 215
- Bowyer, J. R.  
— and Spurlin, S. R.  
Chemiluminescence method for determination of benzoyl peroxide in solution 289
- Brinkman, U. A. Th., see De Ruiter, C. 267
- Budgell, D. R.  
—, Hayes, E. R. and Helleur, R. J.  
Direct identification of pentoses and hexoses by pyrolysis/capillary gas chromatography 243
- Budgell, D. R., see Helleur, R. J. 367
- Bunker III, O. W.  
— and Arnold, M. A.  
Potentiometric determination of enzyme activities with slopes computed with the Savitzky-Golay digital filter 315
- Bye, R.  
Iron(III) as releasing agent for copper interference in the determination of selenium by hydride-generation atomic absorption spectrometry 115
- Callejon Mochon, M., see Nunez, R. L. 119
- Calokerinos, A. C., see Koukli, I. I. 333
- Calvo, A., see Silvar, L. 349
- Cardwell, T. J.  
—, Caridi, D., Catrall, R. W. and Hamilton, I. C.  
The spectrophotometric determination of iron(III) in a flow-injection system with a mixed solvent 129
- Caridi, D., see Cardwell, T. J. 129
- Catrall, R. W., see Cardwell, T. J. 129
- Charlier, J.  
—, Merciny, E. et Fuger, J.  
Etude de la complexation des lanthanides trivalents par les six isomères de l'acide diaminocyclohexane-tetraacétique. Partie 4. Détermination des constantes de formation des complexes 1:1 des lanthanides trivalents avec quatre isomères. Influence des facteurs géométriques sur la stabilité des complexes et la sélectivité des agents chélatants 95
- Chuen-Ying Liu  
Histidine as the functional group for a chelating ion exchange 85
- Clerc, J. T., see Macdonald, A. M. G. v
- Coenegracht, P. M. J., see van der Voet, H. 63
- Crouch, S. R., see Ratanathanawongs, S. K., 277
- Crouch, S. R., see Stults, C. L. M. 155, 301
- Danielson, N. D., see Miller, B. E. 293
- Denoyer, E. R.  
— and Siegel, L. A.  
Determination of sulfur, nickel and vanadium in fuel and residual oils by x-ray fluorescence spectrometry 361
- Denton, M. B., see Huth, T. C. 165
- De Ruiter, C.  
—, Wolf, J. H., Brinkman, U. A. Th. and Frei, R. W.  
Design and evaluation of a sandwich phase separator for on-line liquid/liquid extraction 267
- Diffie, J. T., see Heckman, R. A. 197

- Durand-Keklikian, L.  
— and Vedel, J.  
Solubilities of chromium(III) in molten potassium hydrogen sulfate 373
- Fanelli, N., see Meites, L. 33  
Fortier, N. E., see Lockridge, J. E. 41  
Frei, R. W., see De Ruiter, C. 267  
Fritz, J. S., see Lockridge, J. E. 41  
Fuger, J., see Charlier, J. 95  
Furton, K. G.  
—, Khatib, S. and Poole, C. F.  
Gas chromatographic stationary-phase properties of two room temperature liquid organic salts 49  
Furton, K. G.  
—, Poole, C. F. and Kersten, B. R.  
Correlation of solute retention in gas chromatography with properties of the anion for tetra-n-butylammonium salts 255
- Golas, J.  
— and Osteryoung, J.  
Electrodeposition and anodic stripping of silver on single carbon fibers 225  
Gross, S., see Sandifer, J. R. 237  
Guilbault, G. G., see Palleschi, G. 339  
Guiraum Perez, A., see Nunez, R. L. 119
- Hamilton, I. C., see Cardwell, T. J. 129  
Hayes, E. R., see Budgell, D. R. 243  
Hayes, E. R., see Helleur, R. J. 367  
Heckman, R. A.  
—, Diffie, J. T. and Milhous, L. A. Jr.  
Transfer of near-infrared monochromator calibrations for tobacco constituents to tilting-filter instruments 197  
Helleur, R. J., see Budgell, D. R. 243  
Helleur, R. J.  
—, Budgell, D. R. and Hayes, E. R.  
Identification of the composition of oligosaccharides and polysaccharides by pyrolysis/capillary gas chromatography 367  
Hemel, J. B., see van der Voet, H. 63  
Hendrick, M. S.  
— and Michel, R. G.  
Optimization of a direct-current plasma emission echelle spectrometer 183  
Hieftje, G. M., see Vickers, G. H. 145  
Hua, C.  
—, Jagner, D. and Renman, L.  
Automated determination of molybdenum(VI) in seawater by means of constant-current reduction of the adsorbed 8-quinolinol complex in a computerized flow potentiometric stripping analyzer 103  
Hudovsky, Z., see Široki, M. 175  
Huth, T. C.  
— and Denton, M. B.  
Analysis of complex mixtures by photoionization mass spectrometry with a vacuum-ultraviolet hydrogen-laser source 165
- Jackson, K. W., see Allen, E. 355  
Jagner, D., see Hua, C. 103  
Johansson, G., see Yang, X. 1  
Johansson, P.-A.  
—, Thelander, S. and Ståhlberg, O.  
Automatic potentiometric two-phase titration in pharmaceutical analysis. Part 3. Titrimetric identification of drugs 17  
Johnson, D. C., see Neuburger, G. G. 205
- Kahn, M. S., see Majeed, A. 125  
Kersten, B. R., see Furton, K. F. 255  
Khatib, S., see Furton, K. G. 49  
Kohashi, K., see Tsuruta, Y. 309  
Koukli, I. I.  
— and Calokerinos, A. C.  
Kinetic determination of some inorganic and organic compounds by oxidation with iodate 333  
Krull, U. J.  
Ion-current signal optimization for lipid membrane-based biosensors 321
- León, L. E., see Silvar, L. 349  
Lockridge, J. E.  
—, Fortier, N. E., Schmuckler, G. and Fritz, J. S.  
Potentiometric detection of halides and pseudohalides in anion chromatography 41  
Lubrano, G. J., see Palleschi, G. 339  
Lynes, A., see Whiteside, I. R. C. 77
- Macdonald, A. M. G.  
—, Pardue, H. L., Townshend, A. and Clerc, J. T.  
Editorial v  
Majeed, A.  
—, Kahn, M. S. and Ballantyne, E. K.  
Spectrophotometric determination of

- zirconium in steels with xylenol orange 125
- Marić, Lj., see Široki, M. 175
- Mascini, M.
- and Mazzei, F.
- Amperometric sensor for pyruvate with immobilized pyruvate oxidase 9
- Mazzei, F., see Mascini, M. 9
- Meites, L.
- , Fanelli, N. and Papoff, P.
- The accuracy and precision of the classical technique for locating the point of maximum slope on a potentiometric titration curve 33
- Merciny, E., see Charlier, J. 95
- Michel, R. G., see Hendrick, M. S. 183
- Milhou, L. A. Jr., see Heckman, R. A. 197
- Miller, B. E.
- and Danielson, N. D.
- Fluorimetric determination of danthron in pharmaceutical tablets and in urine 293
- Miller, R. M., see Vickers, G. H. 145
- Milun, V., see Široki, M., 175
- Nabi Rahni, M. A., see Palleschi, G. 339
- Neuburger, G. G.
- and Johnson, D. C.
- Pulsed coulometric detection of carbohydrates at a constant detection potential at gold electrodes in alkaline media 205
- Nunez, R. L.
- , Callejón Mochón, M. and Guiraum Pérez, A.
- Spectrophotometric study of a ternary zirconium/fluoride/alizarin complex with application to the determination of zirconium 119
- Osteryoung, J., see Golas, J. 225
- Pack, M. M., see Wang, J. 215
- Palleschi, G.
- , Guilbault, G. G., Lubrano, G. J. and Nabi Rahni, M. A.
- Studies of amperometric glucose dehydrogenase electrodes for glucose 339
- Papoff, P., see Meites, L. 33
- Pardue, H. L., see Macdonald, A. M. G. v
- Poole, C. F., see Furton, K. G. 49, 255
- Ratanathanawongs, S. K.
- and Crouch, S. R.
- Development of a selective post-column detector for phenols separated by high-performance liquid chromatography 277
- Renman, L., see Hua, C. 103
- Risinger, L., see Yang, X. 1
- Ruiter, C., de, see de Ruiter, C. 267
- Sandifer, J. R.
- and Gross, S.
- Bipolar pulse conductivity measurements applied to ion-selective electrodes 237
- Schmuckler, G., see Lockridge, J. E. 41
- Siegel, L. A., see Denoyer, E. R. 361
- Silvar, L.
- , León, L. E. and Calvo, A.
- Indirect determination of iron in a flow-injection system with amperometric detection 349
- Široki, M.
- , Vujičić, G. Milun, V., Hudovsky, Z. and Marić, Lj.
- Determination of phosphorus in organic compounds and metal complexes by inductively-coupled plasma atomic emission spectrometry 175
- Skogerboe, R. K., see Askeland, R. A. 133
- Spurlin, S. R., see Bowyer, J. R. 289
- Stålberg, O., see Johansson, P.-A. 17
- Stoeppler, M. see Ahmed, R. 109
- Stults, C. L. M.
- , Wade, A. P. and Crouch, S. R.
- Computer-assisted optimization of an immobilized-enzyme flow-injection system for the determination of glucose 155
- Stults, C. L. M.
- , Wade, A. P. and Crouch, S. R.
- Experimental studies of the effect of temperature on dispersion in a flow-injection system 301
- Thelander, S., see Johansson, P.-A. 17
- Tougas, T. P.
- and Yuan, C. Y.
- Simultaneous determination of multiple components in flow-injection systems by square-wave amperometry 327
- Townshend, A., see Macdonald, A. M. G. v
- Tsuruta, Y.
- and Kohashi, K.
- Sensitive derivatization reagents for hydroxyl and amino compounds for thin-layer or high-performance liquid chromatography with fluorescence detection 309

- Van der Voet, H.  
 —, Coenegracht, P. M. J. and Hemel, J. B.  
 New probabilistic versions of the SIMCA  
 and CLASSY classification methods.  
 Part 1. Theoretical description 63  
 Vedel, J., see Durand-Keklikian, L. 373  
 Vickers, G. H.  
 —, Miller, R. M. and Hieftje, G. M.  
 Time-resolved fluorescence with an  
 optical-fiber probe 145  
 Voet, H. van der, see van der Voet, H. 63  
 Vujičić, G., see Široki, M. 175  
 Wade, A. P., see Stults, C. L. M. 155, 301  
 Wang, J.  
 —, Bonakdar, M. and Pack, M. M.  
 Glassy carbon electrodes coated with  
 cellulose acetate for adsorptive stripping  
 voltammetry 215  
 Whiteside, I. R. C.  
 —, Worsfold, P. J. and Lynes, A.  
 Spectrofluorometric flow-injection  
 determination of tertiary amines in non-  
 aqueous media 77  
 Wolf, J. H., see De Ruiter, C. 267  
 Worsfold, P. J., see Whiteside, I. R. C. 77  
 Yang, X.  
 —, Risinger, L. and Johansson, G.  
 Removal of humic acid and surfactant  
 interferences in trace metal determina-  
 tions by differential-pulse anodic strip-  
 ping voltammetry with use of adsorption  
 and chelate ion-exchange columns in a  
 flow-injection system 1  
 Yuan, C. Y., see Tougas, T. P. 327

